

Application No. 09/770,765  
Amendment "B" dated April 7, 2004  
Reply to Office Action mailed January 20, 2004

### AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application:

- 1 – 21 (Cancelled)
- 22 – 29 (Withdrawn)

30. (Currently Amended) A method of bandwidth allocation for transmitting video on a cable network, comprising:

- providing a plurality of data sources;
- differentially converting said data sources into compressed video streams, responsive to an instantaneous resource restriction and a content of said data sources; and
- multiplexing said compressed video streams on a single transmission line.

31. (Previously Presented) A method according to claim 30, wherein said differentially converting comprises converting each data source to a different frame rate compressed video stream.

32. (Previously Presented) A method according to claim 30, wherein said differentially converting comprises, converting each data source to a different frame quality level.

33. (Previously Presented) A method according to claim 30, wherein said resource restriction comprises a bandwidth restriction.

34. (Previously Presented) A method according to claim 30, wherein said resource restriction comprises a computing resource restriction.

35. (Previously Presented) A method according to claim 30, wherein said data sources comprise display commands.

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36. (Cancelled).

37. (Previously Presented) A method according to claim 36, comprising providing an indication of said content with said data sources.

38. (Previously Presented) A method according to claim 36, comprising providing an indication of said content by analyzing display commands which are comprised in said data sources.

39. (Previously Presented) A method according to claim 36, comprising providing an indication of said content by a software which generates at least one of said data sources.

40-42 (Withdrawn)

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43. (New) A method of bandwidth allocation for transmitting video on a cable network, comprising:

providing a plurality of data sources;  
differentially converting said data sources into compressed video streams, responsive to an instantaneous computing resource restriction; and  
multiplexing said compressed video streams on a single transmission line.

44. (New) A method according to claim 43, wherein said differentially converting comprises converting each data source to a different frame rate compressed video stream.

45. (New) A method according to claim 43, wherein said differentially converting comprises, converting each data source to a different frame quality level.

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46. (New) A method of bandwidth allocation for transmitting video on a cable network, comprising:

providing a plurality of data sources;  
differentially converting said data sources into compressed video streams, responsive to an instantaneous resource restriction, by converting each data source to a different frame rate compressed video stream; and  
multiplexing said compressed video streams on a single transmission line.

47. (New) A method according to claim 46, wherein said differentially converting further comprises converting each data source to a different frame quality level.

48. (New) A method according to claim 46, wherein said resource restriction comprises a bandwidth restriction.

49. (New) A method according to claim 46, wherein said resource restriction comprises a computing resource restriction.